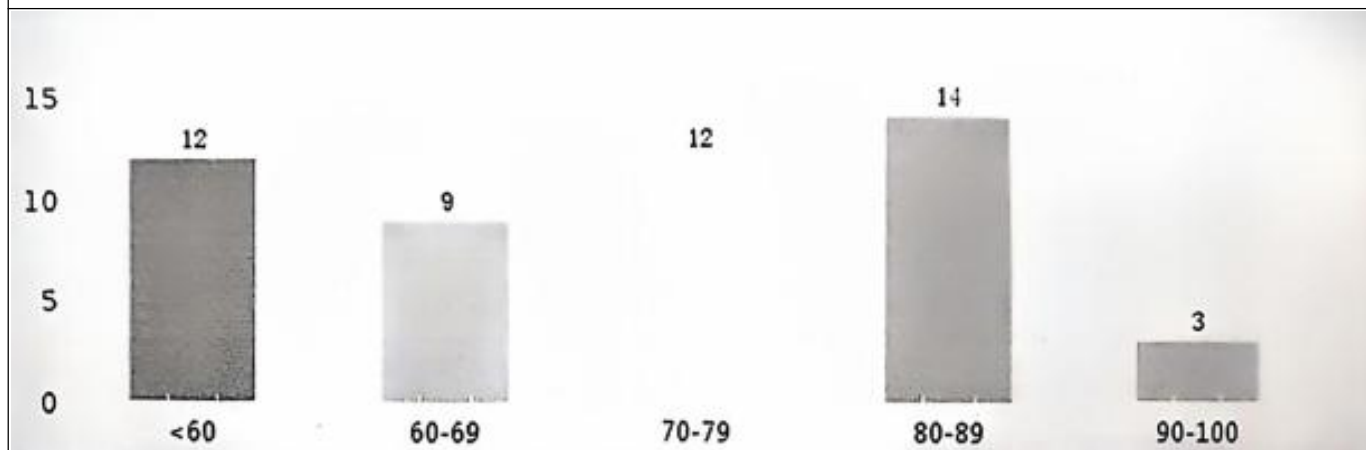


Semester 1 of the 2023-2024 academic year

Course Name	Chemical Engineering Technology		Credit Hour	32	Department offering the course	School of Materials and Chemical Engineering		
Teacher's name	Zeng Yonglin		Course nature		Elective		Mandatory	√
Propositional form(Check √)	Test Bank		Test bank		Teacher group question		√	
Exam format (Check √)	Open the book.		Closed-book	√	Separation of teaching and examination (check √)	Yes	No	√
Student class	2108102				Should be present	Attended	Missed the exam	Disciplinary violation
					52	51	1	1
Fraction distribution	Grade ranges	<60	60-69	70-79	80-89		90-100	
	Number of people	12	9	12	14		3	
	Ratio	23.53%	17.65%	23.53%	27.45%		5.88%	
	Average score	66.92			Standard Deviation	20.57		
Read in the form (check √)	I grade the papers.	Peer review	Collective grading √	Machine grading	other			

Chart of student achievement



Conduct a brief analysis of the structure of the exam questions, the distribution of grades, the students' mastery of the material and the main reasons for this, and propose suggestions and measures for teaching improvement.

The examination paper meets the requirements of the teaching syllabus, covering all teaching chapters with an appropriate number of questions and a moderate level of difficulty. The variety of question types is diverse. The pass rate of the written exam is 76.47%. The main areas of gain and loss for students are concentrated in the multiple-choice and fill-in-the-blank questions, as well as the theoretical derivation of the second calculation question. This reveals that students need to further strengthen their mastery of basic knowledge. The theoretical derivation mainly involves the application of basic subjects (physics, chemistry, and advanced mathematics) in professional fields, indicating that students find it difficult to integrate knowledge from different courses. In future teaching processes, it is necessary to strengthen the explanation and examination of basic concepts, focusing on the integration points and applications of basic subjects with professional courses, to further enhance students' practical abilities.

Departmental(Departmen) Review Opinions:

分析合理

张永
签字:

Dean's Review Opinions:

同意

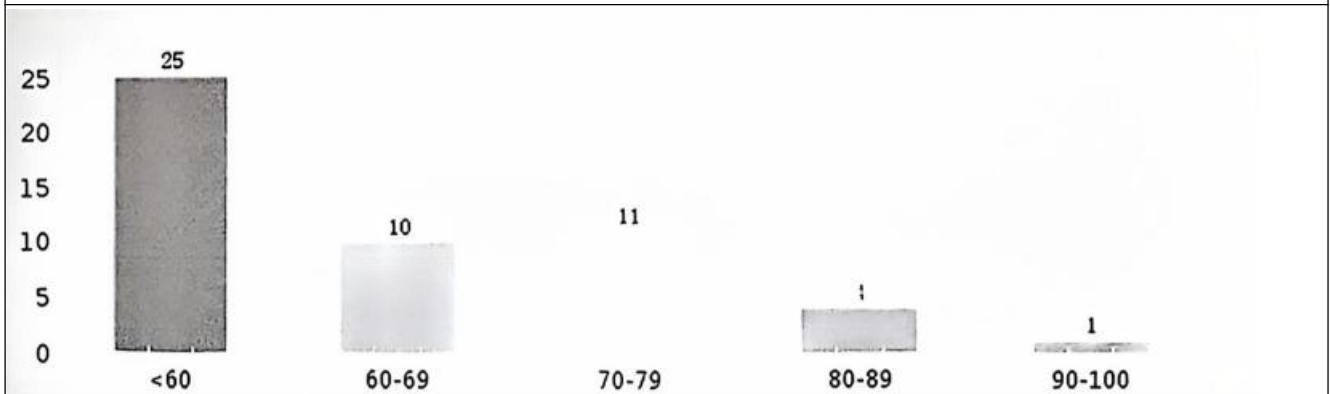
张劲

签字:

Semester 1 of the 2023-2024 academic year

Course Name		Chemical Engineering Thermodynamics		Credit Hour	48	Department offering the course	School of Materials and Chemical Engineering		
Teacher's name		Cao Wenxiu		Course nature		Elective		Mandator y	
Propositional form (check√)		Test Bank		Test bank		Teacher group question			
Examination format (√)		Open the book		Closed -book		Separation of teaching and examination (check √)	Yes	No	
Student class		2108102				Should be present	Attended	Missed the exam	Violation of discipline
						52	51	1	0
Score distribution	Grade bands	<60	60-69	70-79	80-89	90-100			
	Number of people	25	10	11	4	1			
	Ratio	49.02%	19.61%	21.57%	7.84%	1.96%			
	Average score	56.49			Standard Deviation	21.32			
Read in the form (check √)		I grade the papers.	Peer review	Collective grading	Machine grading	Other			

Chart of student achievement



Conduct a brief analysis of the structure of the exam questions, the distribution of grades, the students' mastery of the material and the main reasons for this, and propose suggestions and measures for teaching improvement.

The exam questions meet the requirements of the course assessment syllabus, with a moderate level of difficulty. The types of questions include single-choice questions worth 10 points, multiple-choice questions worth 10 points, fill-in-the-blank questions worth 20 points, short answer questions worth 20 points, and calculation questions worth 40 points. The types of questions align with the characteristics of the course and focus on the practical application of theoretical knowledge in engineering, meeting the needs of engineering certification. There were 25 students who failed, representing 49.02% of the total. Therefore, in future teaching processes, I will focus on improving students' ability to output knowledge, identifying problems, analyzing problems, solving problems, and strengthening exercise practice to strive to enhance students' comprehensive abilities. Additionally, the learning atmosphere of the class is not very good, and in the later stages, efforts will be made to strengthen the construction of the learning atmosphere.

Departmental(Departmen)	Dean's Review
Review Opinions: 分析合理	Opinions 同意

蔡文秀

签字:

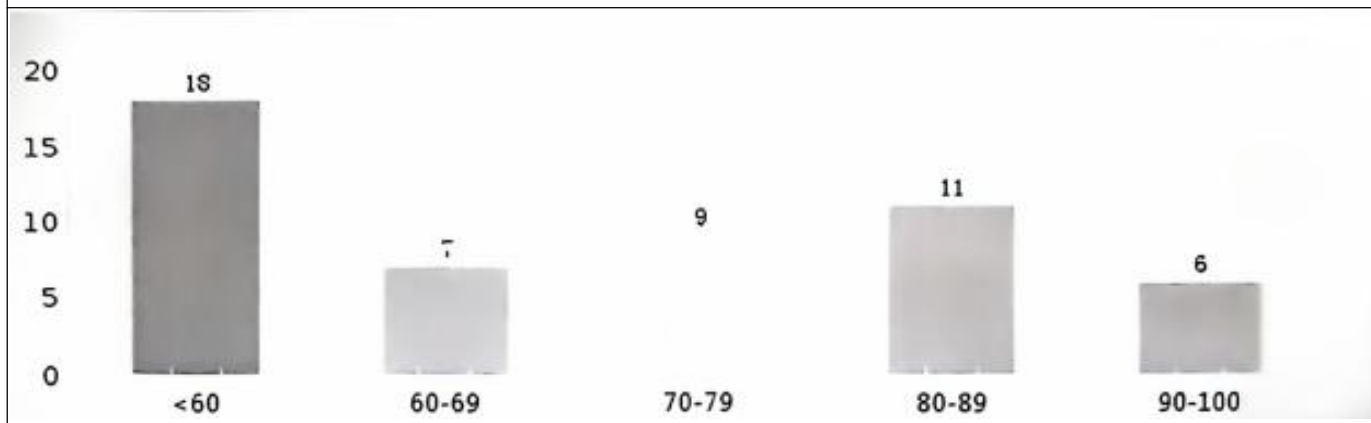
签字: 

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened.

Semester 1 of the 2023-2024 academic year

Course Name	Fundamentals of chemical machinery and equipment			Credit Hour	32	Department offering the course	School of Materials and Chemical Engineering	
Teacher's name	Wang Liqin			Course nature	Elective		Mandatory	<input checked="" type="checkbox"/>
Propositional form (check <input checked="" type="checkbox"/>)	Test Bank			Test Bank		Teacher group question		<input checked="" type="checkbox"/>
Exam format (check <input checked="" type="checkbox"/>)	Open the book.		Closed-book	<input checked="" type="checkbox"/>	Separation of teaching and testing (check <input checked="" type="checkbox"/>)	Yes	No	<input checked="" type="checkbox"/>
Student class	2108102				Should be present	Attended	Missed the exam	Disciplinary violation
					52	51	1	0
Fraction distribution	Grade bands	<60	60-69	70-79	80-89		90-100	
	Number of people	18	7	9	11		6	
	Ratio	35.29%	13.73%	17.65%	21.57%		11.76%	
	Average score	62.75			Standard Deviation	24.67		
Reading form (Check <input checked="" type="checkbox"/>)	I grade the papers.	Peer review	Collective grading	Machine grading	Other			

Chart of student achievement



Conduct a brief analysis of the structure of the exam questions, the distribution of grades, the students' mastery of the material and the main reasons for this, and propose suggestions and measures for teaching improvement.

The basic examination paper for chemical engineering machinery equipment includes fill-in-the-blank questions, multiple-choice questions, short answer questions, and calculation questions. The content focuses on the practical application of theoretical knowledge in engineering, meeting the requirements of engineering certification. The distribution of grades is as follows: the most students who failed the exam are 18, 11 students scored between 80-89, and 6 students were excellent. The difficulty level of the exam is generally appropriate, but the grades of the class show a polarization trend, with the number of students who scored well or excellent being close to those who failed. Analysis of the test scores reveals that multiple-choice and short answer questions had more severe points lost, possibly due to students' lack of firm grasp of key theoretical knowledge points in their daily studies; the calculation questions had better scores, likely because the teacher emphasized the practical application of theoretical knowledge in engineering, coupled with sufficient exercise practice, resulting in students having a firmer grasp of this content. As the homeroom teacher, in future teaching, I should talk more with the students, emphasizing the importance of key theoretical knowledge points, and on the other hand, strengthen exercise practice.

Departmental (Department) Review Opinions:

分析合理

董少秀

Dean's Review Opinions:

同意

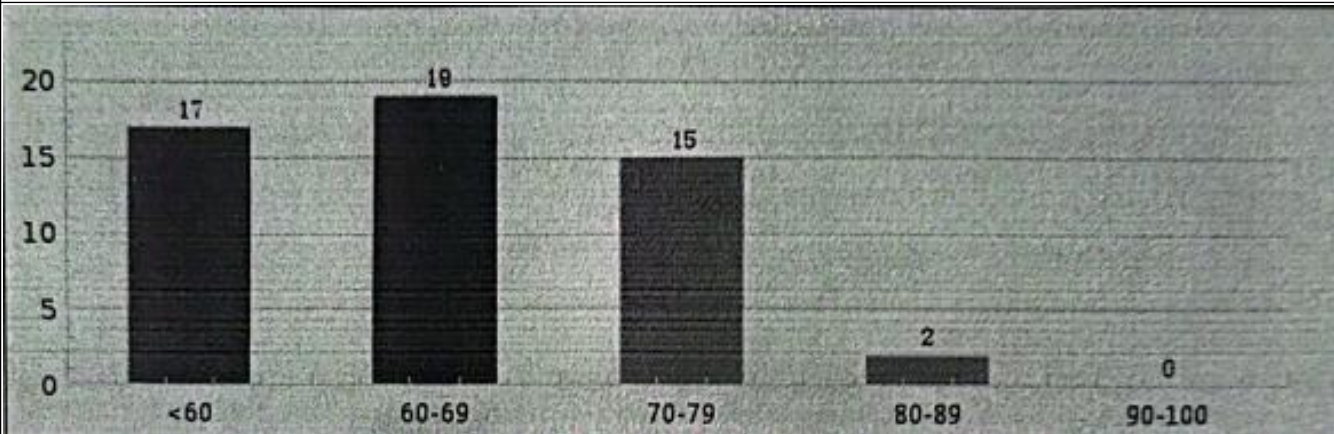



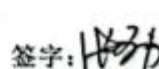


签字:

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened

Course Name		Chemical Engineering Design A		Credit Hour	32	Department offering the course	School of Materials and Chemical Engineering														
Teacher's name		Wang Feng, Zeng Yonglin		Course nature		Elective		Mandatory	√												
Propositional form(√)		Test bank		Test bank		Teacher group question		√													
Exam format(√)		Open the book	√	Close d-book		Separation of teaching and testing (check √)	Yes	No	√												
Student class		2108101				Should arrive	Actual Arrive	Missed the exam	Disciplinary violation												
						52	50	2	0												
Fraction distribution	Grade bands	<60	60-69	70-79	80-89		90-100														
	Number of people	10	23	14	3		0														
	Ratio	20.00%	46.00%	28.00%	6.00%		0.00%														
	Average score	63.87			Standard Deviation	15.31															
Chart of student achievement																					
<table border="1"> <caption>Chart Data</caption> <thead> <tr> <th>Grade Band</th> <th>Number of People</th> </tr> </thead> <tbody> <tr> <td><60</td> <td>10</td> </tr> <tr> <td>60-69</td> <td>23</td> </tr> <tr> <td>70-79</td> <td>14</td> </tr> <tr> <td>80-89</td> <td>3</td> </tr> <tr> <td>90-100</td> <td>0</td> </tr> </tbody> </table>										Grade Band	Number of People	<60	10	60-69	23	70-79	14	80-89	3	90-100	0
Grade Band	Number of People																				
<60	10																				
60-69	23																				
70-79	14																				
80-89	3																				
90-100	0																				
<p>Conduct a brief analysis of the structure of the exam, the distribution of grades, the students' mastery of the material and the main reasons for it, and propose suggestions and measures for teaching improvement.</p> <p>The examination questions meet the requirements of the teaching syllabus, with a variety of question types and an appropriate number of questions, difficulty levels are balanced, and the grades form a normal distribution. Students' points lost are mainly concentrated in subjective questions.</p> <p>The design of processes and technological calculations reflect that students' comprehensive application ability of learned knowledge needs further improvement. Their computational skills and ability to analyze problems also need enhancement, which should be emphasized in future teaching processes.</p>																					
Departmental (Teaching and Research Office) Audit Opinions:					Dean's Review Opinions:																
<p>分析合理</p> <p>签字: 魏秀</p>					<p>同意</p> <p>签字: 王初</p>																

Hunan City University Course Examination Paper Analysis Table
2023-2024 Academic Year, Semester 2

Course Name		Biochemistry		Credit Hour	32		Department offering the course	School of Materials and Chemical Engineering	
Teacher's name		Hu Zhiyuan		Course nature		Elective		Mandatory	√
Propositional form (check √)		Test Bank		Test Bank		Teacher group question			
Examination format (check √)		Open the book.	Close d-book	√	Separation of teaching and examination (check √)		Yes	No	√
Student class		2208102			Should be present	Attended	Missed the exam	Disciplinary violation	
					53	53	0	0	
Score distribution	Grade ranges	<60	60-69	70-79	80-89		90-100		
	Number of people	17	19	15	2		0		
	Ratio	32.08%	35.85%	28.30%	3.77%		0.00%		
	Average score	63.86			Standard Deviation	9.72			
Reading form (Check√)		I grade the papers.		Peer review	Collective grading	Machine grading		Other	
Chart of student achievement									
									
Conduct a brief analysis of the structure of the exam, the distribution of grades, the students' mastery of the material and the main reasons for it, and propose suggestions and measures for teaching improvement.									
<p>This set of "Biochemistry" exam includes four types of questions: definition, single choice, true or false, and short answer. The questions cover a wide range, with a reasonable distribution of points for key sections, and the difficulty level of the questions is moderate. Overall, the exam meets the requirements of the curriculum and examination syllabus. The students' scores are generally normally distributed, with a few high scores: 2 students scored 80-89, 15 students scored 70-79, 19 students scored 60-69, and 17 students scored below 60. This indicates that the exam has a certain degree of discrimination and difficulty. In future exams, more emphasis will be placed on the basic knowledge.</p>									
Departmental (Department) Review Opinions:					Dean's Review Opinions:				
 签字: 					 签字: 				

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened.

Hunan City University Course Examination Paper Analysis Table
2023-2024 Academic Year, Semester 2

Course Title		Chemical instrumentation and automation		Credit Hour	32	Offering unit	School of Materials and Chemical Engineering														
Teacher's name		Tao Shengdong		Nature of the course		Take	compulsory	√													
Propositional form (√)		Question bank		Exam Paper Library	Teacher group questions		√														
Exam format (√)		Uncoiling	Closed book	√	Separation of teaching and examination(√)	Yes	No	√													
Student Classes		2108101				Should arrive	Actual arrive	Absent from exams	Disciplinary												
						52	51	1	0												
Distribution	Score segments	<60	60-69	70-79	80-89	90-100															
	Number	20	23	7	1	0															
	proportion	39.22%	45.10%	13.73%	1.96%	0.00%															
	Average score	59.58			standard deviation	14.03															
Reading form (√)		I will read the papers	Peer grading	Collective grading (Machine grading	other															
Chart of student achievement																					
<table border="1" style="margin-top: 10px; width: 100%; text-align: center;"> <thead> <tr> <th>Score Segment</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td><60</td> <td>20</td> </tr> <tr> <td>60-69</td> <td>23</td> </tr> <tr> <td>70-79</td> <td>7</td> </tr> <tr> <td>80-89</td> <td>1</td> </tr> <tr> <td>90-100</td> <td>0</td> </tr> </tbody> </table>										Score Segment	Number of Students	<60	20	60-69	23	70-79	7	80-89	1	90-100	0
Score Segment	Number of Students																				
<60	20																				
60-69	23																				
70-79	7																				
80-89	1																				
90-100	0																				
Briefly analyze the structure of test questions, the distribution of grades, students' mastery and their main reasons, and put forward suggestions and measures for teaching improvement																					
<p>The scores are relatively good, and the most points lost are multiple-choice and true/false questions and some calculation questions, which are basically caused by a poor grasp of basic knowledge concepts. In addition, some students speak in class, usually less review after class, a small number of students plagiarize homework, do not have a proper learning attitude, and do not review before the exam. There are 20 students with a score of 60 or less on the paper, 23 with a score of 60-69, 7 with a score of 70-79, and 1 with a score of 80-89. Overall, the number of people who fail is relatively high, reaching 40%, and the number of high scores is small. In the later stage, the construction of study style will be strengthened, classroom discipline will be strictly enforced, the phenomenon of copying homework will be zero-tolerated, and more examples will be used to strengthen students' understanding of basic concepts, enhance the interest of knowledge explanation, and then assist in the practice and explanation of basic topics and calculation problems, so as to enhance students' depth of knowledge.</p>																					
Departmental (Depament) Review Opinions:					Dean's Review Opinions:																
<p style="font-size: 2em;">分析合理</p> <p style="font-size: 2em; margin-top: 20px;">敬柔</p>					<p style="font-size: 2em;">同意</p> <p style="font-size: 2em; margin-top: 20px;">田劲</p> <p style="text-align: right;">签字:</p>																

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened

Hunan City University Course Examination Paper Analysis Table

2023-2024 Academic Year, Semester 2

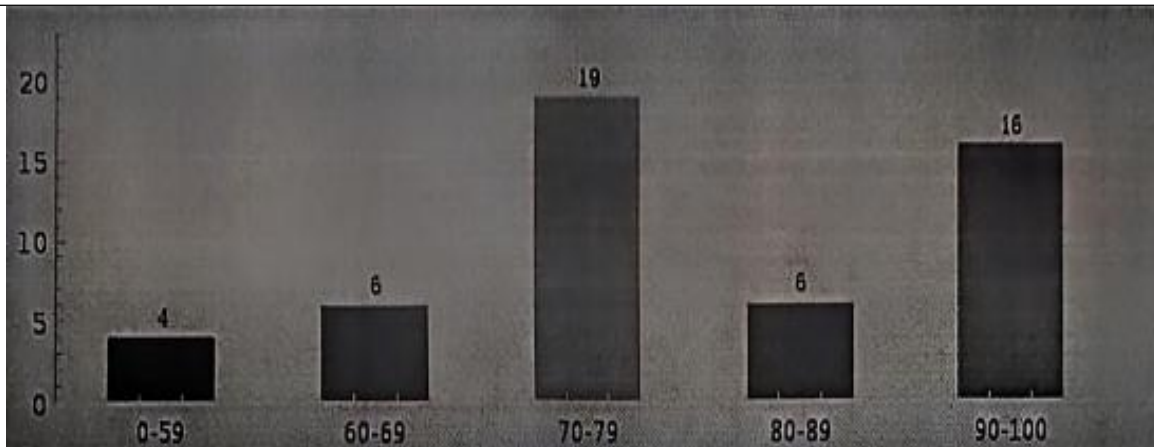
Course name		Engineering Drawing & CAD		Credit Hour	48	Offering unit	School of Materials and Chemical Engineering														
Teacher's name		Chen Chao		Nature of the course		elective	compulsory	√													
Propositional form (√)		Question bank		Exam Paper Library		Teacher group questions		√													
Exam format (√)		Uncoiling	Closed book		Separation of teaching and testing (√)	Yes	No	√													
Student Classes		2208102				Should arrive	That's right	Absent from exams	Disciplinary												
						53	53	0	0												
Score distribution	Score segments	<60	60-69	70-79	80-89	90-100															
	Number	36	12	5	0	0															
	proportion	67.92%	22.64%	9.43%	0.00%	0.00%															
	Average score	48.15			standard deviation	15.89															
Reading form(√)		I will read the papers	Peer grading	Collective grading	Machine grading	other															
Chart of student achievement																					
<table border="1"> <caption>Chart of student achievement data</caption> <thead> <tr> <th>Score Segment</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td><60</td> <td>36</td> </tr> <tr> <td>60-69</td> <td>12</td> </tr> <tr> <td>70-79</td> <td>5</td> </tr> <tr> <td>80-89</td> <td>0</td> </tr> <tr> <td>90-100</td> <td>0</td> </tr> </tbody> </table>										Score Segment	Number of Students	<60	36	60-69	12	70-79	5	80-89	0	90-100	0
Score Segment	Number of Students																				
<60	36																				
60-69	12																				
70-79	5																				
80-89	0																				
90-100	0																				
Briefly analyze the question structure, grade distribution, student mastery and its main reasons, Put forward suggestions and measures for teaching improvement																					
<p>The content of the examination paper includes the basic knowledge of drawing, the operation of AutoCAD, the projection of the point, the plane of the line, the stereo projection, the combination view, the axonometric drawing, the section view and the part drawing, a total of 8 chapters, which is the main content of the engineering drawing syllabus. The question types covered by the test paper are fill-in-the-blank questions (20 points), multiple-choice questions (20 points) and drawing questions (60 points), there are many question types, students score relatively well on multiple-choice questions, fill-in-the-blank questions and parts drawing questions, and the more points lost are drawing questions, which are basically spatial imagination ability and usually too little drawing, a small number of students usually do their own homework, plagiarize homework, do not understand, do not bother to review before the exam, and do not practice CAD operations. There are 36 students with a score of 60 or less on the paper, 12 with a score of 60-69, 5 with a score of 70-79, and the highest score is 77. In the future, we will increase the practice and explanation of after-class topics.</p>																					
Departmental (Department) Review Opinions:					Dean's Review Opinions:																
分析合理 签字: 陈超					同意 签字: 何强																

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened.

Hunan City University Course Examination Paper Analysis Table
2023-2024 Academic Year, Semester 2

Course name		Chemical safety and environmental protection		Credit Hour	32	Offering unit	School of Materials and Chemical Engineering		
Teacher's name		Nie Wei'an		Nature of the course		elective		compulsory	√
Propositional form (√)	Collective proposition			Question bank propositions		Teacher proposition √			
Exam format (√)	Uncoiling		Closed book	√	Separation of teaching and examination (√)	Yes		No	√
Student Classes		2108102				Should arrive	That's right	Absent from exams	Disciplinary
						52	51	1	0
Distribution	Score segments	<60	60-69	70-79	80-89	90-100			
	Number	4	6	19	6	16			
	proportion	7.84 %	11.76%	37.25 %	11.76 %	31.37%			
	Average score	79.84			standard deviation	14.46			
Reading form (√)	I will read the papers	Peer grading		Collective grading	Machine grading	other			

Chart of student achievement



Ideas for teaching improvements

The content mainly includes: teaching effect analysis, teaching reform, and opinions and measures for improving test papers

Teaching and knowledge explanations are fully organized according to the teaching details Gold Face . Heavy and solid prominent. There are many practical case teaching contents of enterprises. The examination questions cover a wide range of teachings The type of question is reasonable. The difficulty of the test paper Moderate degree . As this course deals with certification safety and chemical engineering Ring two disciplinesThe knowledge mastered should be broad, so the students' performance is more differentiated.

Departmental audit:

分析合理

签字: 谢秀

Level 2 College (Partial) Audit:

同意

签字: 王明

Note: 1. This form should be submitted in duplicate, one copy to the secondary college (department) and one copy to the Academic Affairs Office for archiving.

Semester 1 of the 2023-2024 academic year

Course name		Industrial catalysis		Credit Hour	24	Offering unit	School of Materials and Chemical Engineering														
Teacher's name		Fu Shangjun		Nature of the course		Elective	√	Compulsory													
Proposition form(√)		Question bank		Exam Paper Library		Teacher group questions		√													
Exam format(√)		Uncoiling		Closed book	√	Separation of teaching and testing(√)	Yes	No	√												
Student Classes		2108101				Should arrive	That's right	Absent from exams	Disciplinary												
						52	50	2	0												
Distribution	Score segments	<60	60-69	70-79	80-89		90-100														
	Number	13	23	8	5		1														
	Proportion	26.00%	46.00%	16.00%	10.00%		2.00%														
	Average score	63.4			Standard deviation	15.72															
Reading form(√)		I will read the papers	Peer grading		Collective grading	Machine grading		other													
Chart of student achievement																					
<table border="1"> <caption>Chart of student achievement data</caption> <thead> <tr> <th>Score Segment</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td><60</td> <td>13</td> </tr> <tr> <td>60-69</td> <td>23</td> </tr> <tr> <td>70-79</td> <td>8</td> </tr> <tr> <td>80-89</td> <td>5</td> </tr> <tr> <td>90-100</td> <td>1</td> </tr> </tbody> </table>										Score Segment	Number of Students	<60	13	60-69	23	70-79	8	80-89	5	90-100	1
Score Segment	Number of Students																				
<60	13																				
60-69	23																				
70-79	8																				
80-89	5																				
90-100	1																				
Briefly analyze the structure of test questions, the distribution of grades, students' mastery and their main reasons, and put forward suggestions and measures for teaching improvement																					
<p>The content of the examination paper includes four chapters: basic knowledge of catalysis, surface adsorption and diffusion, acid-base catalyst and its catalytic action, and catalyst preparation, use, inactivation and regeneration, which is the main content of the industrial catalysis outline. The question types covered by the test paper are fill-in-the-blank questions (20 points), multiple-choice questions (10 points), true/false questions (20 points), short-answer questions (35 points) and calculation questions (15 points), the question types are rich in students' fill-in-the-blank questions and multiple-choice questions with higher scores, and the more points lost are short-answer questions and calculation questions, the understanding of some concepts is not deep enough, the mastery of calculation formulas and definitions is not familiar enough, and there is no timely review, and a small number of students usually do not complete their homework independently, there is plagiarism, and the learning of basic knowledge is not enough. The pre-exam review did not spend enough effort on the knowledge points can not be used flexibly, the paper score below 60 points up to 13 people, most of the students in the concentration of 60-69 points, in the future teaching to strengthen the connection between theoretical knowledge and practical production, strengthen the training of exercises.</p>																					
Departmental (Department) Review Opinions:					The Dean of Teaching and Learning reviews the opinions:																
<p>分析合理</p> <p>签字: 曹小芳</p>					<p>同意</p> <p>签字: 曹小芳</p>																

Note: 1. This form should be submitted in duplicate, one copy to the student's college and one copy to the college where the course is opened.